=> d his

(FILE 'HOME' ENTERED AT 17:09:12 ON 21 DEC 2005)

FILE 'MEDLINE, CANCERLIT, AGRICOLA, CAPLUS, SCISEARCH' ENTERED AT 17:09:22 ON 21 DEC 2005

L1 37 S HINF-P
L2 7 S HISTONE NUCLEAR FACTOR P
L3 41 S L1 OR L2
L4 15 DUP REM L3 (26 DUPLICATES REMOVED)
L5 15 SORT L4 PY
L6 9 S L5 AND PY<=2002
L7 0 S L6 AND (ANTISENSE OR ANTI-SENSE)
L8 2 S L4 AND (ANTISENSE OR ANTI-SENSE)
L9 617 S STEIN GARY?/AU
L10 7 S L9 AND HISTONE NUCLEAR FACTOR
L11 5 DUP REM L10 (2 DUPLICATES REMOVED)

=> d an ti so au ab pi l8 1-2

L8 ANSWER 1 OF 2 MEDLINE on STN
AN 2003509929 MEDLINE
TI Identification of **HiNF-P**, a key activator of cell cycle-controlled histone H4 genes at the onset of S phase.
SO Molecular and cellular biology, (2003 Nov) 23 (22) 8110-23. Journal code: 8109087. ISSN: 0270-7306.
AU Mitra Partha; Xie Rong-Lin; Medina Ricardo; Hovhannisyan Hayk; Zaidi S Kaleem; Wei Yue; Harper J Wade; Stein Janet L; van Wijnen Andre J; Stein Gary S
AB At the G(1)/S phase cell cycle transition, multiple histone genes are expressed to ensure that newly synthesized DNA is immediately packaged as chromatin. Here we have purified and functionally characterized the critical transcription factor **HiNF-P**, which is required for E2F-independent activation of the histone H4 multigene family. Using chromatin immunoprecipitation analysis and ligation-mediated PCR-assisted genomic sequencing, we show that **HiNF-P** interacts with conserved H4 cell cycle regulatory sequences in vivo. **Antisense** inhibition of **HiNF-P** reduces endogenous histone H4 gene expression. Furthermore, we find that **HiNF-P** utilizes NPAT/p220, a substrate of the cyclin E/cyclin-dependent kinase 2 (CDK2) kinase complex, as a key coactivator to enhance histone H4 gene transcription. The biological role of **HiNF-P** is reflected by impeded cell cycle progression into S phase upon **antisense**-mediated reduction of **HiNF-P** levels. Our results establish that **HiNF-P** is the ultimate link in a linear signaling pathway that is initiated with the growth factor-dependent induction of cyclin E/CDK2 kinase activity at the restriction point and culminates in the activation of histone H4 genes through **HiNF-P** at the G(1)/S phase transition.

L8 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2004:371074 CAPLUS
DN 140:386015
TI **Histone nuclear factor P (HiNF-P)**- and nuclear protein,ataxia-telangiectasia locus protein (NPAT)-based modulation of cellular proliferation, and screening methods
SO PCT Int. Appl., 117 pp. CODEN: PIXXD2
IN Stein, Gary S.; Van Wijnen, Andre J.; Xie, Ronglin; Stein, Janet L.; Mitra, Partha
AB The invention discloses methods and compns. for modulating cellular proliferation using **HiNF-P** and NPAT. Also included are methods of identifying compds. that modulate cell proliferation by modulating **HiNF-P** expression and activity.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2004038008	A2	20040506	WO 2003-US34188	20031027